LAP3 Rec'd PUT/FTD 2 5 JAN 2006

ORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE REV. 7-2005) ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 112857-507 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) 1565897 CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. PRIORITY DATE CLAIMED PCT/JP2004/011127 July 28, 2004 July 28, 2003 TITLE OF INVENTION IONIC CONDUCTOR, METHOD OF MANUFACTURING THE SAME, AND ELECTROCHEMICAL DEVICE APPLICANT(S) FOR DO/EO/US Hirakimoto et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: \boxtimes This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), X 3 (9) and (24) indicated below. The US has been elected (Article 31). 4 П A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. is attached hereto (required only if not communicated by the International Bureau). a. 🔲 b. 🗵 has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). c. 🗆 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). \boxtimes 6. a. 🛛 is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). b. 🗆 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. c. 🗆 have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. An English language translation of the annexes to the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). A copy of the International Search Report (PCT/ISA/210). \boxtimes 12. Items 13 to 23 below concern document(s) or information included: \boxtimes An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 14. \boxtimes \boxtimes 15. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. A substitute specification. 17 A power of attorney and/or change of address letter. 18. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 19. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 20 A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 21. 22. Express Mail Label No. EV 551747524 US

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Return receipt postcard; Forms PCT/ISA/220, 210, 237; Forms PCT/IB/301, 304, 308; Formal Drawings (16 sheets); PCT Published Application including Search Report; The following fees have been submitted: 2. Search fee (37 CFR 1.492(c)) Tthe written opinion prepared by ISA/US or the international preliminary examination report prepared by IFA/US indicates all claims satisfy provisions of PCT Article 301(-) 2. Search fee (37 CFR 1.492(c)) Tthe written opinion prepared by ISA/US or the international preliminary examination report prepared by IFA/US indicates all claims satisfy provisions of PCT Article 301(-) 2. Search fee (37 CFR 1.492(c)) The written opinion of the ISA/US or the international preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 301(-) Described to PCFR 1.452(c)) To PCFR 1.452(c)) To PCFR 1.452(c)) To PCFR 1.452(c) To P	1	0/5	ம்கு 97)	PCT/	JP2004/01	1127	112857-	507		
Forms PCT/ISA/1220, 210, 237; Forms PCT/IB/301, 304, 308; Formal Drawings (16 steets); PCT Published Application Including Search Report; The following fees have been submitted: 24.	23.	23. Other items or information:									
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If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article \$100 26. Search fee (37 CPR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 Search fee (37 CPR 1.492(b)) Isa been paid on the international application to the sa an International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report Prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report Prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report Prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report Prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 International Search Report Prepared by an ISA other than the US and previously communicated to the US by the IB. \$400 Independent claims Small entity status. See 37 CFR 1.27. Fees above are reduced by \$100 Independent claims small entity status. See 37 CFR 1.27. Fees above are reduced by \$100 Independent claims provided to the US by the ISA of the I	24.	_					\$300	\$ \$300.00			
If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4), \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an international Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB	If the w	25. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article \$200.00									
TOTAL OF 24, 25 and 26 = \$ \$ \$900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.492(f)). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Sheets Patra Sheets Number of each additional 50 or fraction thereof (round up to a whole of fraction thereof (round up to a whole of fraction atter the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 26 - 20 = 6	If the w b Search a Interna	26. ☐ Search fee (37 CFR 1.492(b)) If the written opinionof the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.492(b)) has been paid on the international application to the as an International Searching Authority									
Additional fee for specification and drawings filled in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program issting in an electronic medium) (37 CFR 1.492(f)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	All other stadations.							\$ \$900.0	0		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 26 -20 = 6		Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Fytra Sheets Number of each additional 50 or RATE						_			
CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 26 - 20 = 6	70	- 100 =	0 /50 =		0		× \$250.00	\$ \$0.0	0		
Total claims 26 - 20 = 6	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or										
Independent claims 5 - 3 = 2											
MULTIPLE DEPENDENT CLAIMS (if applicable)	Total c	laims	26	- 20 =	6	х	\$50.00	\$ \$300.0	0		
TOTAL OF ABOVE CALCULATIONS = \$ \$1,600.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by \$ \$0.00 SUBTOTAL = \$ \$1,600.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ \$1,600.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00 TOTAL FEES ENCLOSED = \$ \$1,600.00 Amount to be \$	Indepe	ndent clair	ns 5	- 3=	2	×	\$200.00	\$ \$400.0	0		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by Substitute	MULTIPLE DEPENDENT CLAIMS (if applicable		ble)	+	\$360.00	\$ \$0.0	0				
SUBTOTAL = \$ \$1,600.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ \$1,600.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00 TOTAL FEES ENCLOSED = \$ \$1,600.00 Amount to be \$				\$ \$1,600.0	0						
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The PTO district receive the following			· · ·	\$ \$1,600.00							
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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.								
SE	ND A	ALL CORRESPONDENCE TO:						
Thomas C. Basso (46,541) Cust. No. 29175			SIGNATURE					
			Thomas C. Basso					
			NAME					
			46,541					
			REGISTRATION NUMBER					
			January 25, 2006					
			DATE					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Hirakimoto et al.

IAP20 Rec'd PCT/PTO 25 JAN 2006

Appl. No.:

Unknown

Filed:

January 25, 2006

Title:

IONIC CONDUCTOR, METHOD OF MANUFACTURING THE SAME, AND

ELECTROCHEMICAL DEVICE

Art Unit: Examiner: Unknown

Unknown

Docket No.:

112857-507

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY EXPRESS MAIL UNDER 37 CFR 1.10

Sir:

I hereby certify that the following documents relating to the above-identified application:

- 1. Transmittal Letter (dup.);
- 2. English Trans. of Int'l App. as filed (54 pgs.);
- 3. Executed Dec. and POA (4 pgs.);
- 4. Information Disclosure Statement (2 pgs.);
- 5. PTO Form 1449:
- 6. References Cited:
- 7. Return Receipt Postcard Assignment;
- 8. Recordation Form Cover Sheet (duplicate);
- 9. Assignment (2 pgs.);

- 10. Preliminary Amendment (10 pgs.);
- 11. Formal Drawings (16 sheets);
- 12. Form PCT/IB/301, 304, 308; PCT/ISA/220, 210, 237;
- 13. PCT Publication Application including Search
- 14. Check in the amount of \$1,600.00; and
- 15. Return receipt postcard.

are being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to:

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on January 25, 2006.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

Heather Foster

Name of Person Mailing Correspondence

S/ig/na/ture

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